

Amendments to the Claims

1. (Currently Amended) An anti-NAIP monoclonal antibody, recognizing a human apoptosis inhibitory protein NAIP having the amino acid sequence of SEQ ID NO: 1, which is produced from a hybridoma prepared by fusing a myeloma cell line with an antibody-producing cell of a mammal immunized by an antigen containing a polypeptide which comprises the amino acid sequence of the 256-586th amino acids, the 841-1052nd amino acids, or parts thereof, of in SEQ ID NO: 1, and wherein the epitope of the anti-NAIP monoclonal antibody is in the amino acid sequence of the 256-586th amino acids or the 841-1052nd amino acids of SEQ ID NO: 1.

2. (Original) Anti-NAIP monoclonal antibody hnm365, which is produced from hybridoma 656-1 (FERM BP-6919), and its epitope is the 354-365th region in SEQ ID NO: 1.

3. (Original) Anti-NAIP monoclonal antibody hnm381, which is produced from hybridoma 656-2 (FERM BP-6920), and its epitope is the 373-387th region in SEQ ID NO: 1.

4. (Original) Anti-NAIP monoclonal antibody hnm841, which is produced from hybridoma 841 (FERM BP-6921), and its epitope is the 841-1052nd region in SEQ ID NO: 1.

5-11 (Cancelled)

12. (Currently Amended) A NAIP assay kit at least including:

- (a) a plate on which an anti-NAIP primary antibody is immobilized; and
- (b) an anti-NAIP secondary antibody labeled with a marker, wherein:

~~(1) the primary antibody and the secondary antibody are both the anti-NAIP monoclonal antibody of claim 1;~~

~~(2) the primary antibody is the anti-NAIP monoclonal antibody of claim 1 and the secondary antibody is an anti-NAIP polyclonal antibody; or~~

~~(3) the primary antibody is an anti-NAIP polyclonal antibody and the secondary antibody is the anti-NAIP monoclonal antibody of claim 1.~~

(1) the primary antibody and the secondary antibody are both the anti-NAIP monoclonal antibody of claim 1, wherein:

(i) the primary antibody recognizes the amino acid sequence of the 256-585th amino acids of SEQ ID NO: 1 and the secondary antibody recognizes the amino acid sequence of the 841-1052nd amino acids of SEQ ID NO: 1; or

(ii) the primary antibody recognizes the amino acid sequence of the 841-1052nd amino acids of SEQ ID NO: 1 and the secondary antibody recognizes the amino acid sequence of the 256-585th amino acids of SEQ ID NO: 1; or

(2) the primary antibody is the anti-NAIP monoclonal antibody of claim 1 which recognizes the amino acid sequence of the 256-585th amino acids or the 841-1052nd amino acids of SEQ ID NO: 1 and the secondary antibody is an anti-NAIP polyclonal antibody; or

(3) the secondary antibody is an anti-NAIP polyclonal and the primary antibody is the anti-NAIP monoclonal antibody of claim 1 which recognizes the amino acid sequence of the 256-585th amino acids or the 841-1052nd amino acids of SEQ ID NO: 1.

**13. (Original)** The NAIP assay kit of claim 12, wherein the anti-NAIP monoclonal antibody is any one of the monoclonal antibodies of claims 2 to 4.

**14. (Original)** The NAIP assay kit of claim 12 or 13, wherein the marker is a radioactive isotope or a fluorescent colorant.

**15. (Original)** The NAIP assaying kit of claim 12 or 13, wherein the marker is an enzyme and the kit further includes:

- (c) a substrate which develops a color by the enzyme activity.

**16. (Currently Amended)** A NAIP assaying kit at least including:

- (a) a plate on which an anti-NAIP primary antibody is immobilized;  
(b) an anti-NAIP secondary antibody; and  
(c) a marker to be bound with the secondary antibody, wherein:

~~(1) the primary antibody and the secondary antibody are both the anti-NAIP monoclonal antibody of claim 1;~~

~~(2) the primary antibody is the anti-NAIP monoclonal antibody of claim 1 and the secondary antibody is an anti-NAIP polyclonal antibody; or~~

~~(3) the primary antibody is an anti-NAIP polyclonal antibody and the secondary antibody is the anti-NAIP monoclonal antibody of claim 1.~~

(1) the primary antibody and the secondary antibody are both the anti-NAIP monoclonal antibody of claim 1, wherein:

(i) the primary antibody recognizes the amino acid sequence of the 256-585th amino acids of SEQ ID NO: 1 and the secondary antibody recognizes the amino acid sequence of the 841-1052nd amino acids of SEQ ID NO: 1; or

(ii) the primary antibody recognizes the amino acid sequence of the 841-1052nd amino acids of SEQ ID NO: 1 and the secondary antibody recognizes the amino acid sequence of the 256-585th amino acids of SEQ ID NO: 1; or

(2) the primary antibody is the anti-NAIP monoclonal antibody of claim 1 which recognizes the amino acid sequence of the 256-585th amino acids or the 841-1052nd amino acids of SEQ ID NO: 1 and the secondary antibody is an anti-NAIP polyclonal antibody; or

(3) the secondary antibody is an anti-NAIP polyclonal and the primary antibody is the anti-NAIP monoclonal antibody of claim 1 which recognizes the

amino acid sequence of the 256-585th amino acids or the 841-1052nd amino acids of SEQ ID NO: 1.

17. (Original) The NAIP assaying kit of claim 16, wherein the anti-NAIP monoclonal antibody is any one of the monoclonal antibodies of claims 2 to 4.

Ch 18. (Original) The NAIP assaying kit of claim 16 or 17, wherein the marker is a radioactive isotope or a fluorescent colorant.

19. (Original) The NAIP assaying kit of claim 16 or 17, wherein the marker is an enzyme and the kit further includes:

(d) a substrate which develops a color by the enzyme activity.